

The Birth of A Girl with 47 XXX – The Love Journey of A Baby Girl

Ni Y; Sam KW; Ganeshananthan S
Logan Hospital, QLD, Australia

Introduction:

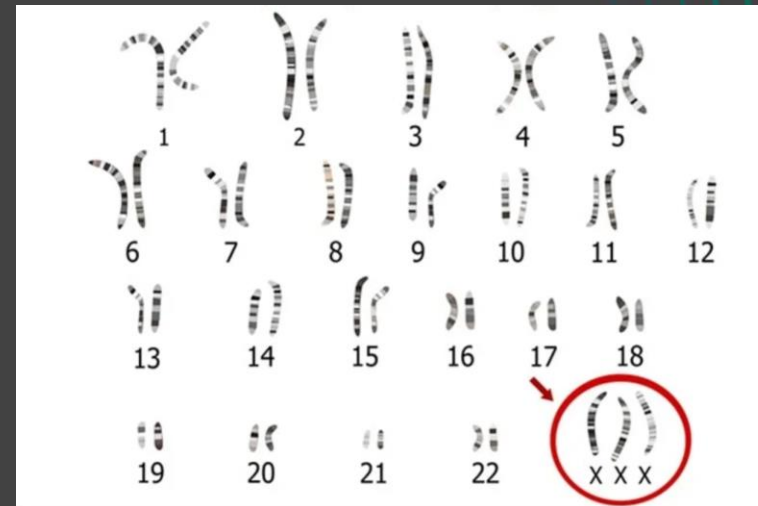
47 xxx is the most common sex chromosome abnormality in females. Most of them with this condition are physically normal but some women choose to terminate their pregnancies if 47 xxx was detected. Here we present a case of how a female with complex mental health issues carried to term and gave birth to a baby girl with 47 xxx.

Case presentation:

A 41-year-old female, G2P0M1, had her antenatal care in a regional hospital with known 47 xxx fetus. This patient had been suffering from depression, anxiety, and binge drinking. In her first antenatal clinic, she chose to continue her pregnancy after been thoroughly counselled by a senior obstetrician. With close monitoring on the fetus and the involvement of MDT, she delivered a baby girl at term through elective caesarean section without complications.

Discussion:

47 xxx is a relatively common aneuploidy with an incidence of 1 in 1,000 newborn girls. Although females with this condition may be taller than average, this chromosomal change typically causes no unusual physical features, but it may be associated with an increased risk of learning disabilities and delayed development of speech and language skills. Seizures or kidney abnormalities occur in about 10% affected females. Hence, it is estimated that most individuals with 47 XXX are never diagnosed. Some women choose to terminate the pregnancy; therefore, proper counselling and mental health care are the keys factors to help those women to make a right decision for themselves.



Reference:

1. Tartaglia NR, Howell S, Sutherland A, Wilson R, Wilson L. A review of trisomy X (47,XXX). *Orphanet J Rare Dis*. May 2010; 11:5-8
2. Linden MG, Bender BG, Harmon RJ, Mrazek DA, Robinson A. 47,XXX: What is the prognosis? *Pediatrics* 1988; 82:619–630